

Title (en)	COMPOSITE CROSS ARM AND POWER TRANSMISSION TOWER
Title (de)	ZUSAMMENGESETZTER QUERTRÄGER UND LEISTUNGSÜBERTRAGUNGSTURM
Title (fr)	BRAS TRANSVERSAL COMPOSITE ET TOUR DE TRANSMISSION DE PUISSANCE
Publication	EP 4325004 A1 20240221 (EN)
Application	EP 23797628 A 20230629
Priority	<ul style="list-style-type: none">CN 202210788989 A 20220706CN 2023103620 W 20230629
Abstract (en)	<p>The present application discloses a composite crossarm and a power transmission tower. The composite crossarm includes at least one insulator (1100) and at least one arcing device (1200) connected to the insulator (1100). Each of the at least one arcing device (1200) includes a high-voltage end arcing component (1210) and a low-voltage end arcing component (1220). The high-voltage end arcing component (1210) is connected to a high-voltage end of the insulator (1100), and the low-voltage end arcing component (1220) is connected to a low-voltage end of the insulator (1100). The at least one arcing device (1200) includes a first arcing device having an electrical clearance between the high-voltage end arcing component (1210) and the low-voltage end arcing component (1220) less than an electrical clearance between the high-voltage end and the low-voltage end of any one of the at least one insulator (1100). The composite crossarm disclosed by the present disclosure protects all inuslators (1100) through the first arcing device to reduce the safety hazards.</p>
IPC 8 full level	E04H 12/00 (2006.01); E04H 12/24 (2006.01); H01B 17/38 (2006.01); H01B 17/46 (2006.01); H01B 17/48 (2006.01); H02G 7/05 (2006.01); H02G 7/20 (2006.01); H02G 9/06 (2006.01)
CPC (source: CN EP)	E04H 12/00 (2013.01 - CN); E04H 12/24 (2013.01 - CN EP); H01B 17/38 (2013.01 - CN); H01B 17/46 (2013.01 - CN EP); H02G 7/20 (2013.01 - CN); H02H 9/06 (2013.01 - CN); H01B 17/40 (2013.01 - EP)
Designated contracting state (EPC)	AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated extension state (EPC)	BA
Designated validation state (EPC)	KH MA MD TN
DOCDB simple family (publication)	EP 4325004 A1 20240221; CA 3216620 A1 20240106
DOCDB simple family (application)	EP 23797628 A 20230629; CA 3216620 A 20230629